

- ## Features
1. Built-in color bar with no video input signal.
 2. Input auto detecting
 3. Digital conversion from input TV signals of NTSC, N4, PAL, Pal M, PAL N, SECAM to output signals of NTSC, PAL.
 4. Digital line (525 \pm 625 lines) and field (60 \pm 50 field) conversion.
 5. 6M bit field memory.

- ## Precautions
1. Do not expose this product to direct sunlight.
 2. Keep the unit away from heat sources such as radiators,
 3. Keep the unit away from magnetic fields.
 4. Avoid exposure to dust, moisture, water and humidity
 5. Use this unit in a horizontal position only.
 6. Do not place heavy objects on top of this unit.
 7. Place the unit in an open space with good ventilation
 8. Keep the unit away from the TV or other electronic equipment that may cause interference.
 9. Unplug the unit from the power supply when it is not in use for an extended period of time.

Multi System Video Converter

Model PAL-83

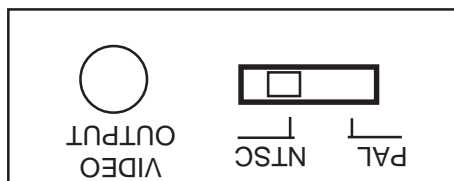
User Manual

Converts from NTSC 3.58 (USA), NTSC 4.43 (USA), PAL, PAL M, PAL N (Europe) & SECAM to NTSC 3.58 or PAL



sima®

Rear panel

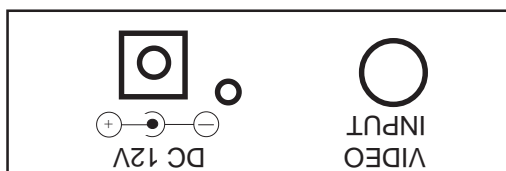


Video output RCA connector

Connects to your TV or LCD display unit or recording VCR or DVD. Output is converted to either NTSC or PAL depending on the PAL/NTSC switch setting.

Composite video input connector: Video input can be NTSC, NTSC4, Pal, PAL M, PAL N, and SECAM. It will automatically be recognized by the unit.

12 Volt DC power input: Connect to 12V output of the included AC adapter.



Operation controls and functions

Specifications

Input systems	NTSC, N4, PAL, PAL M, Pal N, Secam
Output TV systems	NTSC 3.58 or PAL
Connection terminals	Video input: 1 Video output: 1
Sampling Frequency	Y: 13.5 MHz R-Y: 6.75 MHz B-Y: 6.75 MHz
Digital code bit	R: 8 bits G: 8 bits B: 8 bits
Line	525 \pm 625
Field	60 \pm 50
Power	100-240 VAC /50/60 Hz DC 12V 1.25A
Accessory (includes plugs for USA/Europe/UK)	1 set video cables, 1 AC adapter

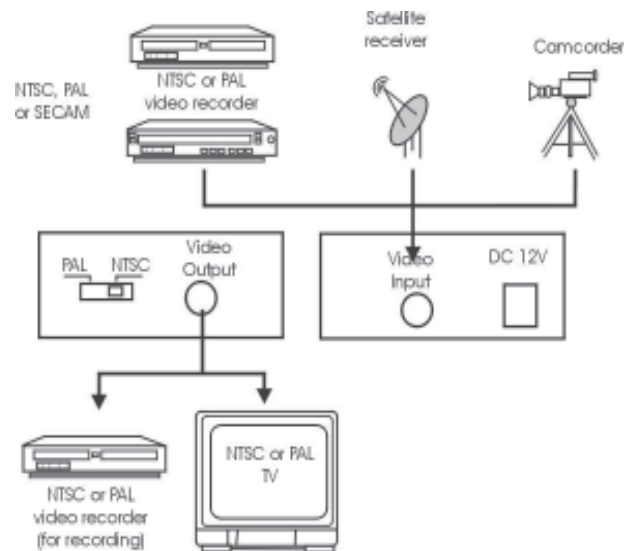
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PN21729

Connections

1. Attach the correct AC plug to the AC adapter.
2. Plug the AC adapter into wall outlet and plug 12V DC adapter cord into PAL-83
3. Connect the Video output of the PAL-83 to the video input of your NTSC or PAL video recorder or TV.
4. Connect the video output of the NTSC or PAL source of your choice to the video input of the PAL-83.
5. Set the PAL/NTSC switch to match the system type of the video recorder or TV to the output type of the PAL-83.

Note: NTSC = USA, PAL = Europe.

Video input is automatically detected by the PAL-83



Troubleshooting

The video system of the recording device must match the video system selected by the PAL/NTSC switch on the unit. For example, you cannot record in PAL on an NTSC recorder.

90 Day Limited Warranty

Sima Products Corporation, ("Sima") warrants that if the accompanying product proves to be defective to the original purchaser in material or workmanship within 90 days from the original retail purchase, the Company will, at the its option, either repair or replace same without charge (but no cash refund will be made).

What you must do to enforce Warranty

You must deliver, mail or ship the product, together with the original bill of sale, this limited Warranty statement as proof of warranty coverage to:

Sima Products Corporation
Attn: Customer Service
140 Pennsylvania Ave., Bldg. #5,
Oakmont, PA 15139

Phone: 800-345-7462
Fax: 412-828-3775

It is recommended that you call Sima Products Corporation at 800-345-7462 before sending the unit in for service.

Limitation of Liability and Remedies

This warranty is void if any defects are caused by abuse, misuse, negligence or unauthorized repairs. All liability for incidental or consequential damages is specifically excluded. The Company shall have no liability for any damages due to lost profits, loss of use or anticipated benefits, or other incidental, consequential, special or punitive damages arising from the use of, or the inability to use, this product, whether arising out of contract, negligence, tort or under any warranty, even if the Company has been advised of the possibility of such damages. The Company's liability for damages in no event shall exceed the amount paid for this product. The Company neither assumes nor authorizes anyone to assume for it any other liabilities. Some states do not allow for the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights, which vary from state to state.